

# Rajesh kumar

Principle Architect

DevOps, DevSecOps, SRE & Microservices

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Clients - <http://rajeshkumar.xyz/clients/>

Total, Over 15 years of extensive experience working with more than 8 software MNCs for software development/maintenance and production environments involved in continuous improvement and automating entire life cycle using latest devops tools and techniques from design and architecture, through implementation, deployment, and successful operations. Also, helping more than 70 software organizations globally, providing coaching, mentoring and consulting in devops, CICD, cloud, containers, sre, DevSecOps, microservices and operations.

I help software organization to improve a quality of the software, reducing the software development/operational cost and immediate feedback/monitoring. Have in-depth working experience in following domains with real project implementation.

I am expert in following domains..

<ul style="list-style-type: none"><li>• <b>DevOps Implementations</b></li><li>• <b>Continuous Integration</b></li><li>• <b>Continuous Delivery</b></li><li>• <b>Continuous Deployment</b></li><li>• <b>Continuous Inspection</b></li><li>• <b>Site Reliability Engineering(SRE)</b></li></ul>	<ul style="list-style-type: none"><li>• <b>DevSecOps, Sercurity &amp; SIEM</b></li><li>• <b>Docker &amp; Containers &amp; Kubernetes</b></li><li>• <b>Cloud AWS, Azure &amp; Google Cloud</b></li><li>• <b>Microservices</b></li><li>• <b>Monitoring &amp; Observability</b></li><li>• <b>AiOps, MLOps, DataOps</b></li></ul>
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## Experience Summary

1. Principle DevOps Architect & Manager, **Cotocus** (May 2016 and .....)
2. Sr. Build and Release Engineer at **ServiceNow**, Netherlands (June 2015 and May 2016)
3. Sr. DevOps Architect at **JDA Software**, India (Sept 2014 and May 2015)
4. Sr. SCM Engineer at **Intuit**, India (July 2013 and Sept 2014)
5. Sr. SCM Engineer at **Adobe Systems**, India (April 2011 and July 2013)
6. Sr. Build & Release Engineer at Emptoris (**IBM**) Technologies (May 2010 to April 2011)
7. Sr. Build & Release Engineer at **Ness Technologies**, India (September 2009 to May 2010)
8. Sr. Engineer at **MindTree Ltd.**, India (August 2006 to September 2009)
9. Jr. Software Engineer at **Accenture**, India (September 2005 - July 2006)
10. Sotware Developer at **SurgerlyPlanet**, India (July 2004 - August 2005)

## Education Summary

- ✓ **M. Tech in Software Systems**, BITS, Pilani, India
- ✓ **Master in Science (Information Technology)**, Annamalai University, India
- ✓ **Bachelor of Information Technology**, IGNOU, India
- ✓ **Higher National Diploma in Computing & Multimedia**, Edexcel Foundation (UK)
- ✓ **XII (12th)**, JIEC, India
- ✓ **X (10th)**, BSEB, India

## Skills Set

	<i>Area of Expertise</i>
Languages	Python, PHP, Java, Golang, HTML, JavaScript
Process & Practices	Agile, DevOps, SRE, DevSecOps, DataOps, MLOps, AiOps, GitOps
Version Tools	Git, Gerrit, Gitlab, Github, Bitbucket, Perforce, SVN and TFS, GitOps
CI Tools	Jenkins, TeamCity, Bamboo & UBuild, ArgoCI, Azure DevOps, Gitlab
Packaging Tools	Packer, Wise Studio, InstallAnywhere and Linux RPM
OS	Windows, Linux, Ubuntu, Centos, Solaris, RHEL, Mac OS X
Build Tools	Maven, Gradle, PyBuilder and MSBuild, Jenkins Pipeline, Azure DevOps
Test & Quality Tools	Selenium, Jmeter, Azure DevOps
Infra Scripting	Terraform, CloudFormation, Bash Scripting, Yaml, JSON
Config Management	Ansible, Puppet and Chef
Delivery & Deployment	UDeploy, Octopus Deploy, XL Deploy, XL Release, Spinnaker, Argo CD, Argo Events, Argo Workflows, Azure DevOps
Cloud Platforms	AWS, Microsoft Azure, Google Cloud, VMWare, OpenStake
Containers Platforms	Docker, Kubernetes, Docker Compose, RedHat OpenShift, VMware Tanzu, Rancher
Networking,DNS,Service mesh	Linkerd, NGINX, HAProxy, Envoy, Traefik, istio,consul, Ambassador
Package & Repository	Packer, Nexus, Artifactory & Nuget
Infrastructure Monitoring	Prometheus, Datadog, Grafana, Nagios, Zaabix, NewRelic
Log Monitoring	ElasticSearch(ELK) and Splunk, Datadog, NewRelic
Performance Monitoring	NewRelic APM, Datadog APM, Splunk APM, Elastic APM
Dashboarding	Kibana, Grafana
Databases & Data Store	MySQL, PostgreSQL, MongoDB, InfluxDB, Loki, Elasticsearch, Graphite, ElasticSearch, Redis, Kafka
Coverage - Analysis	SonarQube, Jacoco, Fortify
DevSecOps / Security	HashiCorp Vault, Notary, Chef InSpec, OWASP SonarQube, Fortify, SIEM
Project Management	Jira, Wordpres, Atlasso Wiki, Trello, Zendesk

## Current Project

**Currently working as Principle DevOps Architect & Manager with Cotocus Ltd. I am managing the entire development setup and team which consist of 20 members broadly supporting the developemet and operations of jetexe.com, eborrow.in, aiaviationacademy.com, wakilsahab.in, SeoDaily & surgeryplanet.com in pre-prod and prod environment.**

***I am also involved addressing the corporate consulting and training relating to DevOps, DevSecOps, SRE, CI/CD, Cloud automation and Migration, Microservices and Containers. Successfully transistions the training and consulting for following organization in the last 4 years.***

*Verizon, Nokia, World Bank, L&T Technology Services, Sapient, Astrazenica, Cognizant, Vodafone, HCL, Mphasis, Barclays, ITC, Tata Technology, CastSoftware, BMC, WorldBank, Cognizant, Qualcomm, HCL, Citrix, 3DPLM, Namecheap, Qualcomm, EMC2, Vodafone, BMC, HSBC, Toshiba, Hexaware, Citrix, Wellsfargo, IBM, Brillio, HPE, Synechron & many more*

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## ***My Training and Consulting Projects***

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Full List - <http://rajeshkumar.xyz/clients/>

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## ***My Contributions***

- ✓ **20000+** - *I have mentor/coach more than 20000 engineers till now for implementing CI/CD, DevOps, DevSecOps, Security, Cloud, SRE and Containers and helping organization to find their best tools for SDLC and productions needs.*
- ✓ **My Tech Video** - <https://www.youtube.com/TheDevOpsSchool>
- ✓ **My Tech Blog** - [www.devopsschool.com/blog](http://www.devopsschool.com/blog)
- ✓ **My Tutorials** - <https://www.gyan.school/>

## ***Roles & Responsibilities in details***

- Managing and mentoring a team of 0 people of Cotocus's development, qa and prod environment.
- Cloud Migration from Private Cloud to Public Cloud on AWS, Azure and Google Cloud.
- Setting up productions end to end services on AWS, Azure and Google Cloud.
- Implemented continuous planning with agile/scrum to have better integrations with continuous development for various projects.
- Setup a systems from scratch for continuous inspection to reduce a technical debt and improving software quality.
- Implemented continuous integration and delivery practices for the project in order to improve the software quality, reduce the cost and immediate software delivery.
- Maintain, managed, enhanced builds and releases to various environments, such as development, QA, pre-production and production.
- Helping organization to reduce the technical debt using Continous Inspection and Monitoring.
- Worked and being part of dev, qa and operations team to architecture, design, and implementations of new and existing systems to enhance their reliability, performance, efficiency, and scalability.
- From last 15 years, I was extensively involved in migration from phycials servers to vms, vms to aws and most recently Vms to containerization.

- Most of the projects, i acted as a individual contributor, managing entire project infrastructure from pre prod to prod which includes version control, build servers, deployment servers, staging servers, qa servers, monitoring & prod servers.
- Developed and maintain an efficient and flexible automated deployment/qa framework that ensured repeatable and reliable deployment of releases into multiple environments and immediate feedback to concern team.
- Helped organization and setup a process of branching and merging strategies for major, minor, maintenance and patch releases.
- Sharing a knoweldge is a key in DevOps and I setup a process & platform in which team should be motivated/enabled for project documentation, such as code docs, build procedures, build release notes, and installation/configuration notes, todo, devenv setup etc.
- Setup a monitoring, and alerting systems for pre prod CI servers as well productions servers, Also proving a lead response, quick troubleshooting, postmortem analysis, and resolution as well as coordinate between a dev-qa-operations team.
- During my work tenure, i have earned a proven track record of success and excellence in working with enterprise class large scale applications in development and production environments.

## *Projects in Past*

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### ***I. ServiceNow – Senior Build & Release Engineer***

***Role and Responsibilities:*** Worked as a Build and Release Engineer in ServiceNow, Amsterdam, having a responsibility to manage and improve the large and complex build infrastructure which includes 300+ build slaves, 5 Jenkins Servers, CM server in the Cloud(AWS). Also involved with build IT infrastructure management and automation using Chef.

***Environment/Skills:*** Git, Gerrit, Redhat Linux, Bash Scripting, Nexus, Maven, Chef, Datadog, Docker, AWS and Jenkins

### ***II. JDA Software – Senior CM/DevOps Architect***

***Role and Responsibilities:*** Worked as an DevOps architect in JDA Software to implement continuous integration and delivery model and streamline the build/release and production deployment and monitoring for more than 40 JDA's products. I architect and co-ordinate for more than 40 products team to onboard CICD to single platform which includes awareness program. Also worked on to standardization the different tools and processes within organization such as build process, qa process, configuration mgmt, deployment and montring and feedback.

***Environment/Skills:*** Git, Gitlab, Redhat Linux, ELK, Splunk, Nagios, NewRelic, Datadog, Bash Scripting, Artifactory, Maven, Puppet, Ansible, AWS and Jenkins

### ***III. Intuit Technology – Senior SCM Engineer***

**Role and Responsibilities:** Worked as a Sr SCM engineer for a unit called “Small Business group” which has many products including QuickBooks Online(Java), Desktop(.net), Android, POS and Camps. SCM infrastructure had many tools and technologies such as Jenkins, Maven, Nexus, Perforce, and Git in Linux and Windows Environment. Helped on CI/CD initiatives for Quickbooks online, also Managed the Perforce servers and gitlab servers. I was also involved in research, design, automate and deploy new systems and solutions that enhance our SCM processes (e.g. Sonar, Git, Jira, Build Pipelining, Cobertura etc.). Helping Intuit coordinate with distributed team across different geography and support SCM, Build, Deployment and Release.

**Environment/Skills:** Git, Perforce, Bitbucket, Redhat Linux, Bash Scripting, Nexus, Maven, Chef, AWS, ELK, Splunk, Nagios, NewRelic and Jenkins

#### **IV. Adobe Systems – Sr SCM Administrator**

**Role and Responsibilities:** At Adobe, I worked as a Senior SCM Engineer in a team of 4 members, responsible for handling 15 Perforce servers which has more than 150 perforce instance, 150+ proxy and 5000+ users and 10 Terabytes disk space. I was also responsible to handle 30+ Continuous integration build forge servers. Project setup includes, 35+ RedHat Linux Machine for our application hosting purpose. I was supporting development teams located in Seattle, Minnesota, Canada, Ireland, England, Germany, Japan, and India.

**Environment/Skills:** Perforce, Git, Redhat Linux, Shell Scripting, Perl, Jenkins and BuildForge

#### **V. Emptoris Technologies (IBM) – Services Procurement**

**Role and Responsibilities:** At IBM, I supported a dev, qa and operations team for automating the build, deployment and release process. Also managing the build servers, CI servers and qa servers. Also monitoring the process of code completion, code freeze, branching, tagging and release of Build etc.

**Environment/Skills:** Perforce, Ant, Redhat Linux, Shell Scripting, Jira, Emma, Sonar, Jenkins, Nagios, AWS, VmWare

#### **VI. Ness Technologies - Chordiant CFS**

**Role and responsibilities:** I owned and acted as an individual contributor for activities such as setting up build and test management frameworks, managing archives in a version control system and take care of software releasing. Also acted as the DevOps expert in the development projects and maintenance activities to provide the best infrastructure and automation for continuous integration, continuous (unit) testing and releasing. I defined and implement build en test infrastructure improvements that enables the effective software development processes and high quality of software deliverables taking into account maintenance responsibility for released products.

**Environment/Skills:** Subversion, Bamboo, Maven, Ant, Solaris, Shell Scripting, Jira, FishEye, Crucible, Clover, Crowd, Sonar

### **VII. MindTree Ltd. - Symantec LiveState Delivery**

**Role and responsibilities:** At mindtree, I was involved as developer as well as managing the build process for multiple concurrent releases and design and configure continuous integration build system through collaboration with development and IT teams; Also, Participating in deployment & configuration of the application as needed; I also Set-up code-review process and tooling in the CI; I was also driving the initiative of automating the set up of test environments and other duties as assigned. I was the only engineer who was acting as a Perforce administrator and MKS Integrity Administrator for the team who was at 4 different geographical location. I also acted like a install engineer crated/maintained a installer for all our products major, minor and hot patches. I was also involed with release management tasks such as branching, labeling, tagging, co-ordinations and release activities.

**Environment/Skills:** Perforce, SVN, Ant, Maven, Hudson, Visual Studio 2003, Ant, AnthillPro, Gforge, Wise Studio, Wise Scripting, VB Scripting, Tomcat, VMware and Jboss

### **VIII. Accenture India Ltd - BellSouth, US**

**Role and responsibilities:** Worked as Configuration and package Engineer in Unix Environment. Worked in Project and Configuration Management. Set up Defects and Features for DDS, create packages and Install into Servers, wrote PL/SQL and Shell scripting to run on the server and Configure Software lifecycle management for Different Releases Using Internal tools.

**Environment/Skills:** Harvest, Unix, Shell Scripting, Oracle 9i, Defect & Feature Management

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